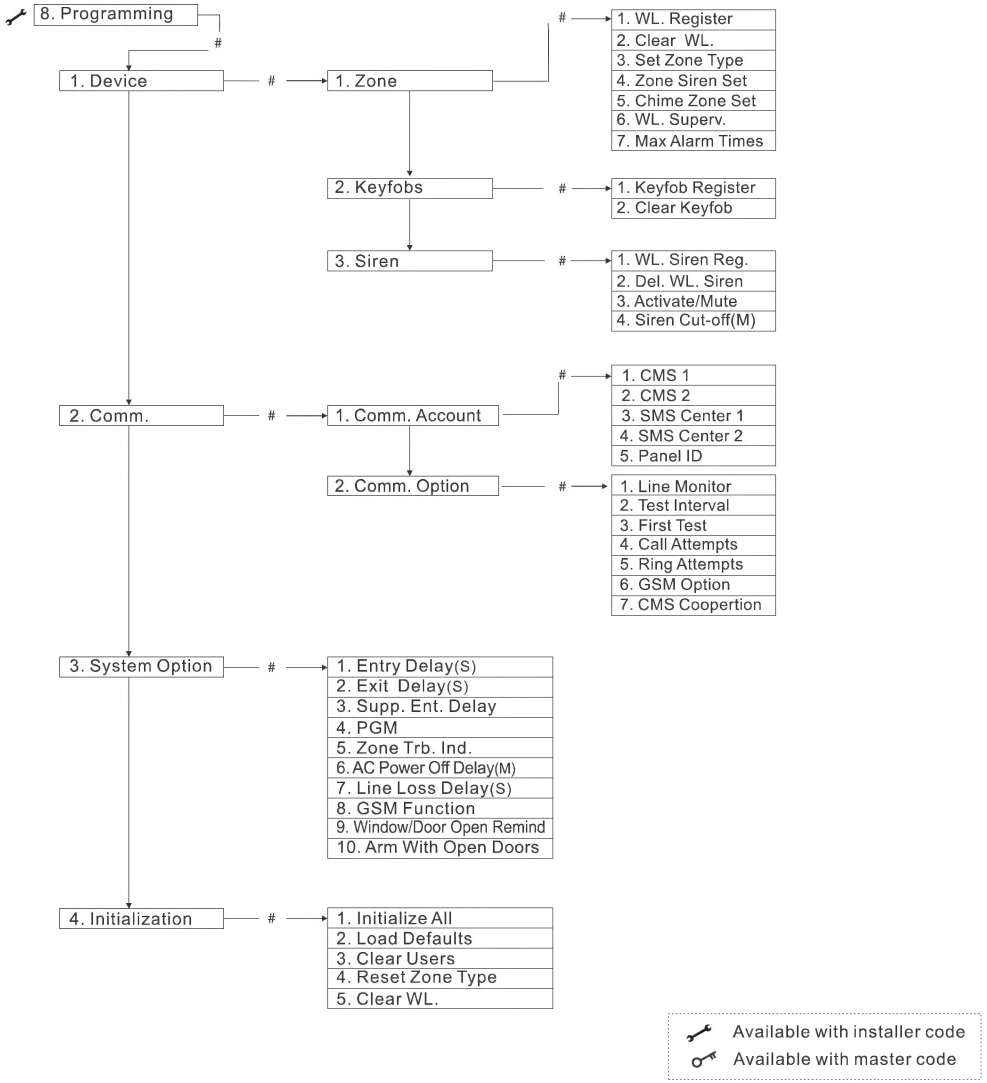
INSTALLATION MANUAL

CREATING SECURITY SOLUTION



Specifications

- ✓ 32 wireless zones and 2 wired zones
- ✓ Periodic supervision for wireless PIR and magnetic switch.
- ✓ App (available in Google play and Apple store) control
- ✓ Window/door open remind
- ✓ User account / zone naming
- ✓ PSTN/GSM/SMS alarm selectable
- ✓ Built-in front and rear tampers for control panel
- ✓ 255 event logs with time indication
- ✓ Built-in siren (85dB), compatible with wired external siren and 3 wireless sirens
- ✓ 1 PGM and AUX power output
- ✓ 2 central stations working selectable
- ✓ 6 phone numbers: 2 for CMS and 4 for private phones (or mobiles)
- ✓ 8 codes: 1 for installer, 1 for master, 1 for temporary, 1 for duress and 4 for users
- ✓ Support 6 keyfobs
- ✓ Contact ID protocol
- ✓ Wireless frequency: 433MHz/868MHz

Packing List

Control Panel	x1
Keyfob	x2
Wireless PIR Detector	x1
Wireless Magnetic contact	x1
Power Adaptor	x1
Installation Manual	x1

Accessories: screws (4 pcs), EOL resistance (2.2K, 4pcs) and installation screws (4pcs)

QUICK GUIDE

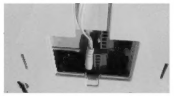
1 Insert SIM card

Press to open the case, refer to page 03.

2 Connect Backup Battery

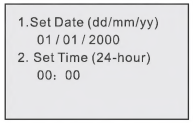
Refer to page 05.

3 Power On Control Panel



Refer to page 05.

4 Enter Menu and Set Time

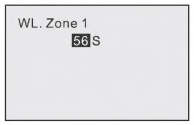


Refer to page 19/23.

5 Power On Detector/Magnetic Contact

Open the battery case and put the battery in.

6 WL. Zone Register

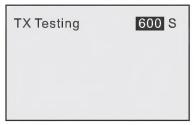


Refer to Page 25

7 Keyfob Register

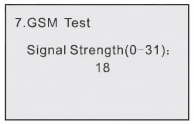
Refer to page 26.

8 Transmitter Testing



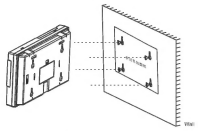
Refer to page 24.

9 GSM Signal Testing



Refer to page 24.

10 Panel Installation

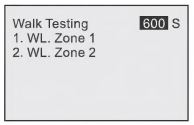


Refer to page 07/08.

11 Devices Installation.

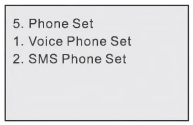
Please refer to relative manuals.

12 Walk Testing



Refer to page 24.

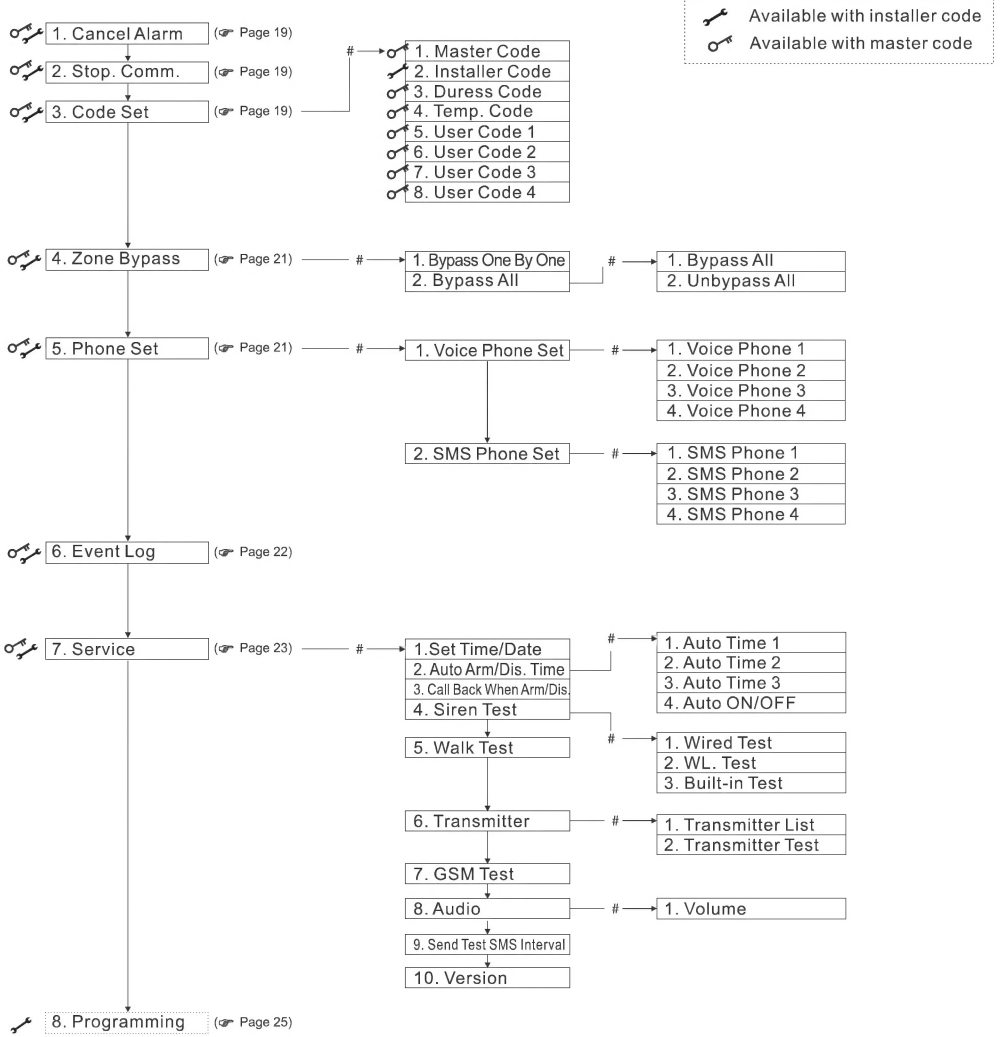
13 Phone Set



Refer to page 21/22.

14 Alarm Testing/Disarm

When WL. Device triggered, panel send alarm SMS/dial the voice receiving number. Disarm the panel, please see page 10.



Menu Structure

Abbreviation	Description
Temp.	Temporary
Trb.	Trouble
Auto Time	Auto Arm/DisarmTime
WL.	Wireless
Comm.	Communication
Supp. Ent. Delay	Supplementary Entry Delay (See Page 39)
Output Trigger	Conditions for PGM Output
PGM Cut-off	PGM Output Time
Clear Users	Clear User Codes
Del.	Delete
Superv.	Supervision
SV.	Supervision
CMS	Central Monitor Station
SMS	Message
Zone Trb. Ind.	Zone Trouble Indication
Call Back	Siren Call Back for Confirm
Dis	Disarm
Reg.	Register
En/Ex.	Entry/Exit
Per.	Perimeter
Line Loss	Telephone Line Loss
TX	Transmitter
Interface	Dialing or SMS Interface like PSTN or GSM
Auto ON/OFF	Auto Arm/Disarm ON/OFF
Wired Test	Wired Siren Test
WL. Test	Wireless Siren Test
Built-in Test	Built-in Siren Test
Clear WL.	Clear Wireless Transmitters
Clear Single	Clear Single Transmitter
Clear All	Clear All Transmitters
Load Defaults	Reset as Default

Introduction

General System Overview

Thank you for choosing our wireless alarm kit, which offers an innovative all-in-one solution with all aspects of security and connectivity covering a full range of wireless accessories.

Window / Door Open Remind

The Control Panel can recognize and record the door contact condition. Users can set as forbid arm or allow arm but with remind system problem. Also can choose to close the “Window / Door Open Remind”

User Account / Zone Naming

Each Wireless Zone / Code can be given a 10 character name. Names can be given either when first adding a Zone / Code or by editing them later. All names can be deleted only in “Initialization All”. The name will be show in event log or SMS.

APP Control

After install the App4Home software, users can use smart phone to control some function of panel, like: Arm, disarm, bypass, turn on / turn off siren etc. each processing in Alarm4Home, mobile phone will send one charge SMS to control panel.

Number Of Devices

Users can install up to 32 wireless detectors in the system. As well as extra door/window contacts, PIRs and smoke detectors, users can add up to 2 wire-detectors, 6 keyfobs, 3 wireless-sirens, 1 wire-siren and 1 PGM.

PSTN / GSM / SMS

Featuring PSTN, GSM dialing or SMS send optional, it offers multiple performance options and the flexibility.

Supervision For Accessories

Activating periodic supervision for accessories, it ensures system safety.

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2 Using System ---------- 8

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Term Definitions

Detector: A facility that detects intrusion and abnormal state automatically via some electric or physical methods and output switch signals or wireless signals to the system for disposal, then output alarm signals, such as infrared detector, smoke detector, etc.

Zone: An area of the detection range of one or group of detectors.

Bypass: Close one of the zones temporarily, so that it cannot alarm while act in the zone.

Arm Away: The armed status while going out. All the zones without bypass are in armed status.

Arm Stay: Alarm status while you are at home. All the zones are in armed status except active zones.

Disarm: Close the entry/exit zones, active zones, perimeter zones. Other zones are still in arm status.

24 hour zone: No matter armed or disarmed, it is in valid detecting status. It is usually used in fire alarm, duress alarm and other emergent alarm which can be canceled only by password holder.

CMS: It is an alarm receiving station, to which the alarm controller sends out alarm information via telephone line when alarm occurs. The station will take corresponding actions after receiving the alarm.

Entry Delay: A period for user to enter detection area, activate the delay zone and disarm before the system alarms. During the period, user can activate several specified zones (entry zone) wihout alarm immediately. While exceeding the time, the system alarms if not disarmed. Zones with entry delay are the exit/entry zone and active zone.

Exit Delay: A period for user to leave detecting area once the system armed. Zones with exit delay will not alarm during this period. The zones with exit delay are the exit/entry zone and the active zone.

Supplementary Entry Delay: The Supplementary Entry Delay is a pre-alarm feature that is employed in the event that the system is not disarmed during the entry delay.

Panel ID: ID can be set for each control panel so that the CMS can identify. Different ID must be set for different control panels, which is 4-8 digits utmost with default as 1234.

Duress Code: When user is forced to disarm the control panel by burglar, user inputs duress password, the control panel is disarmed but sends alarm information to the center stations or receiver. The duress password can be used to disarm but set parameters.

Chime Zone: During disarm, while the zone is triggered, the panel will sound “Ding Dong!”

Communication Protocol and Codes

Table 5: Contact ID Event Code

CID Code	Definition
100	Panic Alarm
110	Fire Alarm
121	Duress Alarm
131	Perimeter Alarm
132	Active Alarm
134	Entry/Exit Alarm
137	Panel anti-tamper alarm or tamper zone alarm
151	Gas Alarm
301	AC Power Failure
302	Low Battery
351	Line Loss
381	Detector Loss
384	Low Battery for Detector
401	Arm/Disarm
406	Cancel Alarm
441	Arm Stay
455	Auto Arm/Disarm Failure
521	Mute Siren
570	Zone bypass operation, Bypass all or Unbypass all for User 99
602	Test Report
627	Programming

Table 6: Contact ID User Code

User Code	Definition
00	Operation using keypad without user code, such as arm-away/arm-stay
01	Arm/disarm using master code, by keypad, phone or SMS
02	Program with installer code
03	Duress alarm by user 98,with “Disarm” indication on-site
04	Arm/disarm using temporary code, by keypad, phone or SMS
05~08	Arm/disarm using user code 1-4, by keypad, phone or SMS
11~16	Arm/disarm by keyfob 1-6
21~24	Arm/disarm by phone number 1-4 during alarm
30	Auto arm/disarm
99	Bypass all or unbypass all

1: Easy Install

After unpacking the kit and making sure that you have all the necessary equipments, it is recommended that you install the system as following:

Step 1: Open the Housing

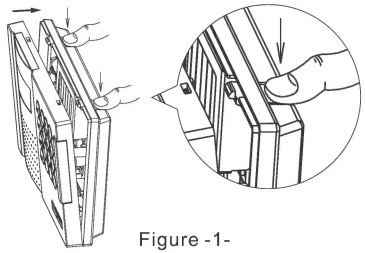


Figure -1-

Do not plug in power adaptor and rechargeable battery before opening the housing.

Step 2: Insert the SIM

The AC power and battery must be cut-off for safe operation. Insert the SIM card. See Figure 2.

Figure -2-

Step 3: Connect external devices

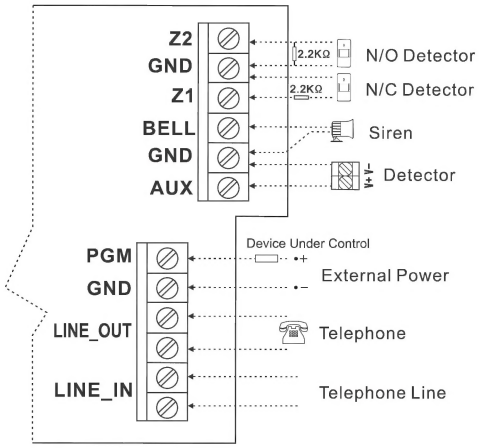


Figure -3-

Wired Siren Connection

The max drive of BELL terminal is 400mA / 12VDC. Connect the bell power line to "BELL" and "GND". Users can try to program via keypad to set if the siren beeps and how long it beeps.

Note: The wired siren is invalid with only backup battery.

AUX Power Output Terminal

AUX supplies power output for wired detectors (AC Operated: 10-12V, Battery Operated: 6-8V, max current: 100mA. It may cause abnormal working for wired detector under low battery).

Home Appliance Control PGM Connection

- The max load of PGM output is DC25V/500mA. Boolean value is output with PGM on connected with GND of PCB board.

7: Appendix

Warranty and Limitations

Although it is an advanced and reliable security system, it does not offer absolute guaranteed protection against burglary, fire, or other troubles. The limitations are as follows:

1. Intruders may get access to unprotected openings or have technical sophistication to invalidate the system.
2. The system will disable without power.
3. Alarm warning devices such as bells may not alert people if they are installed in an improper position. If the alarm bell is installed outside, there are less likely to waken or alert people inside the bedrooms.
4. Telephone line used to transmit alarm signals may be out of service for any reason, or cannot perform communication normally for vicious attack.
5. Unsuitable installation position of detectors. If smoke detector is installed in an improper position, it is not easy for smoke to enter the detecting area. Because of doors or walls, it is hard for the detector to detector fires in other rooms, e.g. the detector in the first floor cannot sense fires in the second floor.
6. Lack of maintenance may lead to the system disabled. Weekly testing is necessary to ensure the system work normally.

6: Parameters

General Parameters:

- **Wireless zones:** 32
- **Wired zones:** 2
- **EOL resistance:** 2K~2.4K
- **Wireless frequency:** 433MHz / 868MHz
- **Detector / Magnetic contact / Keyfob wireless distance:** ⩾100m (with no obstacle)
- **Siren wireless distance:** ⩾50m (with no obstacle)
- **PSTN way:** DTMF
- **Communication protocol:** Contact ID
- **Dimension:** 250*150*45mm

Electric Parameters:

- **Power adaptor:** Input 100V-240VAC 50/60HZ, Output: 12VDC 1.5A
- **Backup battery capacity:** 7.2V/1800mAh
- **Working voltage:** 12VDC
- **Static current:** ＜90mA@12V(not including wired detectors and GSM module)
- **AUX power output:** AC10-12V, DC6-8V, ⩽100mA
- **Siren output:** ⩽400mA
- **PGM output max load:** DC 25V/500mA
- **Built-in siren:** 85dB
- **Working temperature:** -10℃~+55℃

GSM Module:

- **GSM working frequency**: 850/900/1800/1900MHz
- **RX sensitivity:** < -106dB
- **Current: Standby:** < 25mA **RX:** < 75mA

- PGM can connect to wired siren or indicator light. Connecting method like following pictures:

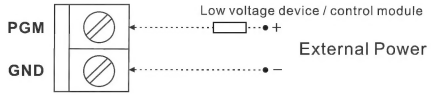


Figure -4-

- Setting PGM trigged by programming setting, when meet trigged condition, PGM connected, see Figure 4.

⚠ Note	PGM only compatible with low voltage control board. It Shall not be connected with city power directly.

Telephone Line Connection

Connect the telephone line to the Telephone Line terminal block "LINE_IN" on the PCB board. And then connect the telephone or fax machine to the Telephone Line terminal block "LINE_OUT". See figure 4-1. Users can connect a telephone or non-connect a telephone which has no influence to the function.

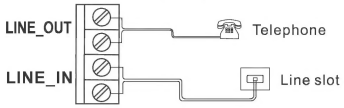


Figure -4-1-

Wired Devices Connection

The system supports different kinds of wired detectors with EOL resistance. Please connect as following:

Figure -5-

Step 4: Power on the control panel

Re-check the wiring and make sure all connection is correct. Connect the AC power adaptor and plug in backup battery.

Parameters of power adaptor: Input: 100V-240VAC 50/60HZ 0.5A, Output: 12VDC 1.5A.
Backup battery: 7.2V 1800mAh Nim-H and rechargeable, 24 hours is required for full recharge which can last around 8 hours for this system under standby situation. After low battery warning, it can work for around 30 minutes.

The system will keep the time and date with time chip powered. If the power of time chip runs out, users need to re-set the time manually. The icon will move to next automatically after each input. Press " * " to exit. After complete input, press "#" to confirm. If the input is not finished, and meanwhile " * " is pressed, it will display on the LCD "Invalid Set!". Pls press " * " to re-input it.

There will not alarm when anti-tamper was trigged, only flashing remind, In three hours power on.

⚠ Note AC power must be connected for initialization. Or else it can not be initialized with just backup battery.

Step 5: Register Transmitters

Transmitters refer to wireless devices such as detector, magnetic contact, siren and keyfob, etc. Only after enrolling can transmitters be recognized by the control panel.

To register a device:

1. During disarm, press " ". With voice guide "Enter password before setting parameters!" Input the installer code with " # " .
2. For specific register process, pls refer to "WL./ keyfob register and WL. Siren Reg" See Page 25/26.

⚠ Note Please take off the battery before enrolling, and then enroll one by one with battery connected. While users register with battery on for all devices, there may come wireless signal interference and make enroll fail.

Step 6: Testing the Chosen Mounting Location

Once all of the transmitters are registered, it is recommended that users test the chosen mounting locations before permanently mounting the control panel and wireless devices. Users can test the transmitter signal strength using the TX Test feature.

Transmitter Test:

1. During disarm, press " ", with voice guide "Enter password before setting parameters!". Input the installer / master code with " # " to enter.
2. Select "7.Service" →"# " →"6.Transmitter" →" # "→" 2.TX text"→" # ".
3. Trigger the desired devices, and the info about them will display on the LCD.
4. After all test, press " * " to exit.

Trouble	Solutions
Keyfob cannot operate the system	Battery is drained, Replace it with a new battery
	Enroll Keyfob without programming, Enroll Keyfob with programming
The system has no feedback when the zone is triggered	The zone is bypassed, Un-bypass the zone
	When disarm, zone 1,2,3 do not alarm; arm-stay zone 2 does not alarm. Operate normally
False alarm for wireless zones	Different wireless zones use the same code. Delete this wireless zone; change the code learn and try again
Abnormal work for PSTN board using ADSL	Connect the phone interface of PSTN board to phone interface of ADSL segregator. If the problem still cannot be realized, please change a high-quality segregator
During walk test, re-trigger for detector cannot be realized after 1st trigger	There is a sleep period of 5minutes for detector to save battery between 2 triggers. Wait 5 minutes after the 1st trigger
LCD display is abnormal or dirty.	Pin connector for LCD is not stable. Re-connect the pin connector for LCD
User code restore to default code after system repowered	Jumper setting is not correct, Refer to Page 17 Code Restore

5: Troubleshooting

- "System Trb." will display on LCD if there is. Users can press " ⑨ " to enter the trouble list, and then press " ⑨ " or "⑧" to check. If the trouble is solved, it will disappear out of the list.
- Users can clean the display of system trouble remind except zone 21/22 trouble by disarm the system, but system trouble information will still be saved in the system trouble list.
- If the time is unset, the voice guide of trouble will not sound. System trouble voice indication will not be available from 10:00PM to 7:00AM. During trouble query, the zone will not alarm with it trigger.

For detailed system trouble and solution, please refer to following table:

Table 4: Trouble & Solutions

Trouble		Solutions
Low Battery		Check the power connection timely
Line Loss		Disconnection of telephone line, Check the line connection carefully
Low GSM signal		Weak signal of GSM communication, Choose a better position for installation
WL. Trouble	Low Battery	Low power of transmitters, Change battery
	Transmitter Loss	No signal is received during supervision period, Check if the transmitter is moved or broken
Wired Trouble		Wired devices are triggered, Check if the wired devices are normal working or not
AC failure		Power is cut off, Check the power connection timely
No GSM module		Check the line connection carefully, then cut off the power and re-connect
No SIM card		Loose contact of SIM card, Please re-insert the card after re-powering off the panel
No GSM signal		No signal received from mobile phone, SIM card is invalid; Or re-choose a suitable position for installation
Time Unset		Re-set the system time correctly, see page 23
Commu-nication Trouble	CMS 1 Trouble	Failed communication to CMS 1, Note CMS 1 or relatives to check
	CMS 2 Trouble	Failed communication to CMS 2, Note CMS 2 or relatives to check
	SMS Trouble	Failure of SMS send, Check if there is no balance for SIM card
	Dialling Trouble	1. Refuse or power off of receiving phone, Pick up the phone in time 2. Overdue of the SIM card, Check if there is no balance for SIM card
No call for alarm		Set correct voice telephone number, Set more than two voice telephone numbers.
Telephone can not work normally as the system is connected into telephone network		Few ringing attempts lead the system to hang up the phone automatically. Increase ringing attempts.Refer to ringing attempts adjustment

Walk Test:

1. Enter Menu.
2. Select "7.Service" → " # " → "5.Walk Test"→ " # ".
3. Trigger the desired devices, and the info about them will disappear on the LCD.
4. After all test, press " ∗ " to exit.

Test GSM signal:

The communication signal strength should be tested to confirm if GSM module work well.

To test GSM signal:

1. Enter Menu.
2. Select "7.Service" → " # " → "7.GSM Test"→ " # ".
   0-31 means for the signal strength. 31 means the strongest. To make sure normal communication, pls use over 12.

Step 7: Permanently Installing

In order to optimize wireless communication, consider the following guidelines:

1. Whenever possible, mount the panel centrally in relation to wireless sensors.
2. Avoid installation in close proximity to sources of high noise or radio frequency interference. For example, air conditioner, heater or circuit breaker boxes.
3. Minimize the distance between the panel and transmitters.
4. Minimize the number of obstacles between the panel and transmitters.
5. Metal based construction materials, such as steel reinforced concrete walls, will reduce the range of radio transmissions

Having chosen and tested the mounting location of the control panel and each transmitter, it is ready to permanently install the panel.

At first, stick "Installing Hole Drawing" on the location for control panel. Drive 4 screws on the fixed position (see Figure 6), and then hang the control panel directly on the screws (see Figure 7). While driving the screws, pls pay strict attention to the depth of screws to make sure easy hang and tamper switch work normally. There are 2 tamper switches: front tamper and rear tamper. Compress the tamper switch while installing. If the control panel is removed or opened, tamper will be triggered.

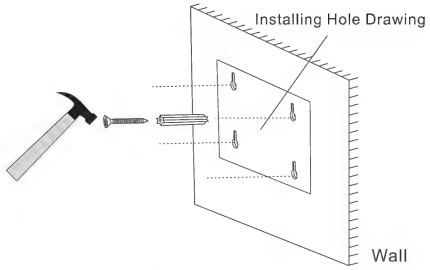


Figure -6-

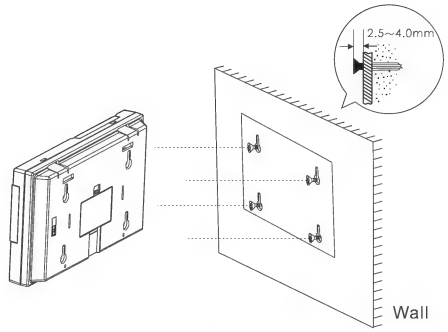


Figure -7-

⚠ While hanging the control panel, please don't shake the product to avoid breaking the tamper switch.

2: Using System

Arm and disarm the system and practice using it. Trigger the alarm by arming the system and opening protected door/windows and walking past PIRs.

Figure -8-

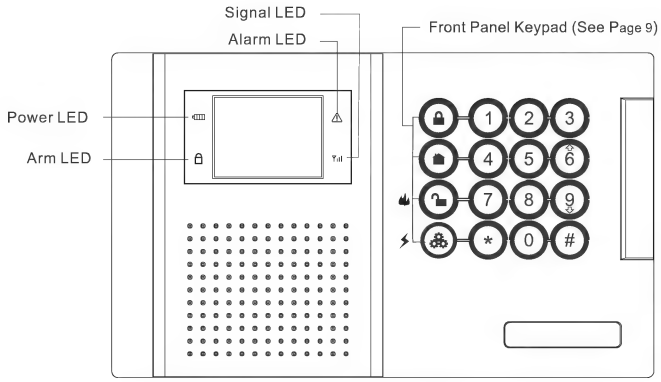


Figure -9-

Programming / Initialization

Initialize All

The Initialization function clears programming of the whole system and restore factory defaults.

Load Defaults

This function enables users to restore the factory-set programming defaults, which keeps the control panel ID and will not delete the set phone numbers or wireless devices.

Clear Users

Clear User Codes deletes all programmed user codes and restores the default master and installer codes and duress codes.

Clear Users by Hardware

Clear user codes can be also realized by hardware jumper. There is a jumper on the control panel board "J3" (See Figure 17). If user codes are forgotten, pls power off, and put the jumper to "Default" and then restart the system, which will reset user codes as default.

⚠ Note: Then user should turn jumper to another side, or the panel will restore password when restarting panel next time.

Reset Zone Type

This function resets all wireless zones into panic and all wired zones into entry/exit zones.

Clear Wireless

Clear all wireless devices includes wireless sensors, keyfobs and sirens.

To set AC loss delay:

1. Select " AC loss delay (M) " ,press" # ".
2. Input the delay time (001-255minutes) or 000 for system random setting.
3. Press " # " to finish.

Line Loss Delay

It allows amount of time that Line Loss is not reported to center station while the telephone line is disconnected. While before the message is sent to the station and the telephone line recovers connected well, the message will be canceled. Or if the message for Line loss is sent to the station successfully before the connection recovered, the line recover message will be also sent.

To set line loss delay:

1. Select " Line loss delay(S) ",press " # ".
2. Input the delay time (001-255s) or 000 for system random setting.
3. Press " # " to finish.

GSM Function

This option enables users to select whether system support GSM module. If " GSM Function " is turned off, it will not display GSM module trouble and work.

To set GSM Function:

1. Select " GSM Function " ,then press " # ".
2. Press the " ⑧/⑨ " to select "ON" or "OFF" and confirm with "#".
3. Press " * " to exit.

Window/Door open remind

This option enables users to turn ON/OFF the function of window/door open remind. The panel will detect the situation of Magnet and remind users "Door or Window is Open" when users arm the system. If Zone malfunction is allowed to display, the system will remind and display "system trouble" . It will disappear after users close the window.

Arm with open Window/Doors

User is allowed to set if the system can be armed while window/door is open. If setting is "ON", Arm with open doors is allowed. Otherwise it will be prohibited.

⚠ Note: This function only works with "Window / Door open remind" is "ON".

Front Panel Keypad

🔒	For arm away
🏠	For arm stay
🔓	For disarm, and also for fire alarm(press for 2s)
⁂	For programming, and also for panic alarm(press for 2s)
6	Figure or navigation key for upturn, for menu operation or query
9	Figure or navigation key for down turn, for menu operation or query
*	It means "delete" while inputting figures or quit for menu operation.
#	For enter

Arm/Disarm via keypad or keyfob

Users can arm away, arm stay, disarm or emergence via keypad or keyfob. If CMS is connected with message send, and info except zone alarm is set to send, any operation like arm and disarm will be reported to CMS. Arm or disarm is not available during programming or trouble query. Via keypad requires master / user code, while via keyfob requires no code.

(1) Arm Away

When the system is under disarm, press " 🔒 " on keypad or keyfob, the status LED turns from Green into Red with the voice guide "Arm away, close door and window, exit delay", with the music. When the exit delay ends, the voice guide will sound "Armed away!"

If during zone alarm, press " 🔒 " on keypad, or keyfob, the voice will guide "Disarm before arm!" If under arm situation, press " 🔒 " on keypad or keyfob, the voice will guide "Armed away!"

(2) Arm Stay

It enables users not to alarm in active zone but alarm in other zones.

If under disarm, press " 🏠 " on keypad or keyfob, the status LED turns from Green into Red, the voice will guide "Arm stay".

If under arm away, and with no alarm, press " 🏠 " on keypad, the voice will guide "Enter password!" Users can enter arm stay status with code input or direct keyfob operation.

If under zone alarm, press " 🏠 " on keypad or keyfob, the voice will guide "Disarm before arm!"

If under arm stay, press " 🏠 " on keypad or keyfob, the voice will guide "Arm stay".

(3) Disarm

Press "⏻" on keypad or keyfob, the voice will guide "Enter password, / add 0 to delete the event log".

Disarm with alarm list cleared:

Input the code(except installer code) ending with " 0 ", and " # ", the arm LED turns from Red to Green with the voice guide "Disarmed, alarm log eliminated!"

Disarm with alarm list saved:

Input the code (except installer code) ending with just " # ", the arm LED turns from Red to Green, with voice guide "Disarmed!"

⚠ Note: If disarm by keyfob, the alarm list will be saved.

(4) Window/Door open remind

When magnetic contacts are registered with control panel, if the panel don't collect the close signal from them, and it will cause failure when arm away (arm-stay) the system. This failure will be indicated with voice " Window or door is open, Arm failed." and SMS message as long as it is selected.

⚠ Note

a) The interfering will cause the signal failure of wireless signal, then Arm failure. At that situation, please separate and close the magnetic contacts again to make sure Arm successful. For security reasons, it is strongly suggested to make sure every arm successful. This can be audio confirmed by internal siren sound and SMS massage. To set the internal siren, refer to page 23 "Call Back When Arm/Disarm".

b) If users want to ignore the open area remind, please refer to page 32 to turn off this function.

Trigger alarm via keypad

It enables users to trigger alarm via keypad or keyfob in emergency.

Trigger panic alarm:

Press "🔔" on keypad or "⚡" on keyfob for 2s.

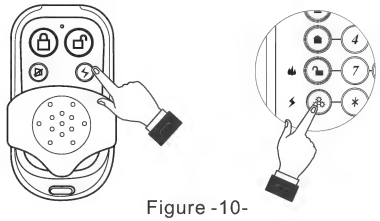


Figure -10-

PGM Trigger	Activated by.....	Disactivated.....
10 S for Line Trb	Telephone line supervision trouble	Cut-off after 10 S
Arm away	Instant Activate	Any arm status change
Arm Stay	Instant Activate	Any arm status change
Disarm	Instant Activate	Any arm status change
Siren follow	Siren follower	Siren follower
Entry/Exit	Activate	Until disarm or after PGM cut-off
Active	See above	See above
Perimeter	See above	See above
Panic	See above	See above
Fire	See above	See above
Gas	See above	See above
Tamper	See above	See above
Duress	See above	See above

With all conditions satisfied, PGM will output. The PGM under "Go 10s when line loss, arm away, arm stay, disarm or siren follow " is not determined by " PGM cut-off " time, while PGM under other situations will switch to disactivated after PGM cut-off. The PGM cut-off can be set by programming.

To set PGM cut-off:

1. Select " PGM Cut-off ", press " # ".
2. Press " # " to edit with icon indication.
3. Enter a PGM cut-off time(0-300s, 000 means continuous activation until disarm)
4. Press " # " to exit when the desired setting is displayed.

Zone Trouble Indication

This option enables users to select whether zone trouble will be indicated in the system trouble list. If this function is turned off, it will not display.

AC Power Off Delay

The AC Loss Delay is the amount of time that allows AC loss report been hold. If AC power recovered during this time, the event message will be canceled and not reported. The AC Loss Delay can be set alternatively between 1 and 255 Min. Correspondingly. AC Restore is reported only if the AC Loss report was sent. AC loss delay is mainly used when the power is not stable.

Exit Delay

A period for user to leave detecting area once the system armed. Zones with exit delay will not alarm during this period. Times can be set from 0 seconds (no delay) up to 300 seconds in 1 second increments.

- 100 seconds is the factory default.

Supplementary Entry Delay

The Supplementary Entry Delay is a pre-alarm feature that is employed in the event that the system is not disarmed during the entry delay. And the period is set as 5s. While this function is turned off, the system will alarm immediately after entry delay.

PGM

The PGM is a programmable output that is triggered according to specific system status conditions. The Output Trigger option determines the conditions that activate and deactivate the PGM output.

To trigger PGM output

1. Select "PGM", press "#".

2. Press the navigation key to select one of Output trigger and press " * " to exit.

⚠ Note: PGM only compatible with low voltage control board. It Shall not be connected with city power directly.

See following table:

PGM Trigger	Activated by.....	Disactivated.....
Not used	Null for PGM	- - - -
Zone 1 Alarm	Instant Trigger	Disarm or PGM cut-off
Zone 2 Alarm	See above	See above
.....	.....	.....
Zone 15 Alarm	See above	See above
Zone 16 Alarm	See above	See above
Zone 17 Alarm	See above	See above
Zone 18 Alarm	See above	See above
Zone 19 Alarm	See above	See above
Zone 21 Alarm	See above	See above
Zone 22 Alarm	See above	See above
Zone 30 Alarm	See above	See above
Zone 31 Alarm	See above	See above
Zone 32 Alarm	See above	See above
.....	.....	.....
Zone 45 Alarm	See above	See above
Zone 46 Alarm	See above	See above
Press 1 & 2	Press 1 & 2	See above

Trigger fire alarm:

Press " 🔓 " on keypad for 2s.

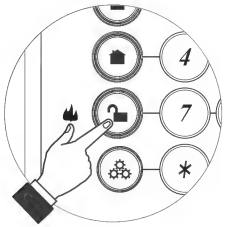


Figure -11-

Tele-control via phone

Users can remote control the control panel via telephone, such as arm-away, arm-stay, disarm, repeat alarm voice, and turn on / off site siren, etc. Users can call the phone number set in the control panel. After ring attempts set, it will pick up with voice guide to input password ending with "#": "For arm- away, press 1, For arm-stay, press 2, For disarm, press 3, For alarm repeat, press 5, turn-on siren, press 6, turn-off siren, press 7, Hang up, press 0".

⚠ Note: Pressing any key on control panel or phone during voice play may cause communication error. It is suggest to operate after voice. If the system is under programming, remote controlling is not available. There should be no voice indication during remote controlling.

Dial to alarm via panel

The control panel will call pre-set phone numbers when alarm triggered. Users will hear voice alarm after pick-up and voice alarm will repeat after 5s stop. It will totally repeat 5 times. The control panel will automatically hung up in 5s after the 5th alarm. If there is no voice alarm after pick-up or you don't want to wait, you can press "5" on your mobile and the control panel will start playing voice alarm. Users can operate the control panel during voice alarm stopping time, before the panel automatically hung up.

See following:

Disarm: press "3".

Arm-away: press "3" to disarm and then "1" to arm away.

Arm-stay: press "3" to disarm and then "2" to arm stay.

Repeat alarm: press "5" to repeat the alarm. Note: Alarm is not available to repeat after disarm.

Turn on siren: press "6".

Turn off siren: press "7".

Hang up: press "0" to hang up directly and the system will not dial any phone number.

SMS Operation

Users can proceed arm-away/arm-stay/disarm/status enquiry operation by sending SMS to control panel. Please check below two ways of operation:

Method 1: Edit SMS manually, then send to control panel

xxxx is user password. Users send SMS (passwordxxxxarmaway) to control panel, can realize arm-away; send SMS (passwordxxxxarmstay) to control panel, can realize arm-stay; send SMS (passowrdxxxxdisarm) to control panel, can realize disarm;

For example: suppose user password is 0808, and control panel ID is 1234, then the exact operation is as follow:

➢ **Arm-away SMS**

password0808armaway

Operation succeeded or failed reply:

ID: 1234
Prog: Arm away
Act:OK

ID: 1234
Prog: Arm away
Act:ERR

➢ **Arm-stay SMS**

password0808armstay

Operation succeeded or failed reply:

ID: 1234
Prog: Arm stay
Act:OK

ID: 1234
Prog: Arm stay
Act:ERR

➢ **Disarm SMS**

password0808disarm

Operation succeeded or failed reply:

ID: 1234
Prog: Disarm
Act:OK

ID: 1234
Prog: Disarm
Act:ERR

Test Interval

The Periodic Test is a test transmission the system sends to notify the central station that its reporting capability is fully functional. And the test periodic test interval can be adjusted.

First Test

First test interval means the time for first periodic test to start.

Call Attempts

The Call attempts option determines the number of times the system tries to call a telephone number before moving on to the next number in sequence. It will not dial again if it exceeds the attempts. Attempts range can be set 1~30 times.

- "7" is the factory default.

Ring Attempts

The Ring attempts means the ring times before the phone hangs up. If it is set as " 0 ", it means no remote control by call for the system. It can be set from 1 to 9.

- "6" is the factory default.

GSM Option

It includes SMS Ack, SMS Confirm and SMS Send. If SMS Ack is turned off, then it is not available for control panel. If SMS confirm is turned off, then SMS receipt is not available. If SMS Send is turned off, then SMS Send is not available.

- On as default.

CMS cooperate

With this function available, if the alarm info is sended to one CMS, then it will not dial or send message to another CMS. While with this function closed, then the alarm will be sended to both CMS.

- On as default.

Programming / System Option

Entry Delay

Entry delay means a period for user to enter detection area, activate the delay zone and disarm before the system alarms. Times can be set from 0 seconds (no delay) up to 300 seconds in 1 second increments.

- 100 seconds is the factory default.

CMS event Option

The options are: send for alarm, send for arm & disarm, send for system trouble, send for service info. If the function of "Send for Alarm" is closed, the alarm info will not be sent to CMS. If the function of "Send for Arm/Disarm" is closed, the arm or disarm operation will not be sent to CMS and "cancel alarm" is invalid. If the function of "Send for Trb" is closed, the trouble info will not be sent. If the function of "Send for service." is closed, the trouble info will not be sent during enter or quit programming or zone bypass. It will send all events as default.

SMS 1/2 Center Number

SMS center uploads event log through GSM network, which includes alarms, arm & disarm, system trouble, event log and service info. The phone number can be edited or deleted

To set SMS center number

1. Select "Comm. Account" ending with " # ".
2. Press the navigation key to select SMS center 1 or 2, ending with " # ".
3. If any number is set before, it will display on the LCD. Press " # ", the icon will flash for figure input. While no number is set, users can input directly with icon indication.
4. The phone number is 16 digits utmost ending with " # ". Press " * " to delete former digit or edit it. Press " # " to confirm. If press " # " directly, the former phone number will be deleted.

SMS Event Option

SMS center event option includes: send for alarm, send for arm & disarm, send for system trouble. send for service info. If "Send for Alarm" is closed. The alarm info will not be sent to SMS, if the function of "Send for Arm/Disarm" is closed. The arm or disarm operation will not be sent. If the function of "Send for Trb." is closed, the trouble info will not be sent. If the function of "Send for Service Info" is closed, the info will not be sent during enter or quit programming or zone bypass. It will send all events as default.

Panel ID

ID can be set for each control panel so that the CMS can identify. Different ID must be set for different control panels, which is 4/6/8 digits (A~/F) utmost with default as 1234.

⚠ Note: ID is 4 digits as factory default. And 6/8 digits are for customized order. Users can set the ID in this way: Pressing " ⓐ ", then " ⓪ " means " A ", " ⓐ ", then " ① " means " B ", and so forth.

Line Monitor

The function of Line Monitor can be on or off. If the function is turned on, it will display on the LCD.

➢ **Arm/disarm status check:**

password0808status

Reply format:

ID: 1234
Prog: Arm away
Act:OK

ID: 1234
Prog: Arm stay
Act:OK

ID: 1234
Prog: Disarm
Act:OK

⚠ Note: Arm & disarm is not allowed when programming; when zone alarm, it will not arm, meanwhile it will fail and return back.

Method 2: By using Alarm4Home to send SMS.

Users need to install Android or IOS Alarm4Home correctly. Then operate the alarm system as to the operation hints in the interface. Every operation will send a message to the panel.

App Setting Steps:

1) Add control panel

① Click " ALARM SETTINGS "
② Click " Create New Profile "
③ Enter the Profile Name, any character name can be input, this name will appear in the panel list;
Enter the alarm phone number, must be SIM number in the control panel;
Enter the User code, can be master or user or temporary code.
④ Set the function of 1 2 . Function can select as below.

⑤ Click " SAVE SETTINGS ". Click " SAVE SETTINGS " to finish setting.

2) Choose profile

In control panel list, click control panel's name, then click " Select " button to enter the main interface. If users need any change, please click " Edit ".

3) Operate control panel

Arm away Disarm

Arm Stay Will proceed the function set above.

⚠ Note: Each time operates a button, it will send out a paid SMS. We suggest wait for 30 seconds to proceed next operation after one operation.

Send SMS for Alarm / Arm / Disarm

It enables the control panel to send SMS message to the set phone number or SMS center for alarm, or arm / disarm.For example,the control panel ID is 1234, when zone 2 (Hall) fire alarm, it will send SMS as following:

ID:1234
ZONE: 002 hall
EVENT: FIRE ALARM
2013-08-10 19:12

ID:1234
USER: 001 lily
EVENT: FIRE ALARM
2013-08-10 20:12

trouble. Times can be set from 2 hours to 99 hours.

- 24 hours is the factory default.
- The period supervision function is closed of all the zones as the factory default.

Max Alarm Times

Users can set one zone with max continuous alarm attempts, default will be 3. After disarm, the device will restart counting.

Keyfob Register

Same as wireless zones, pls refer to that.

Clear Keyfob

Same as wireless zones, pls refer to that.

Wireless Siren Register

Same as wireless zones, pls refer to that.

Clear Wireless Siren

Same as wireless zones, pls refer to that.

Activate/Mute Siren

It enables the siren (built-in siren, external wired siren or wireless siren) to be on or off.

Siren Cut-off (M)

Siren cut-off is the period of time the sirens are activated after an alarm has occurred, which can be set from 0 to 30 minutes.

Programming / Communication

CMS 1/2 Phone Set

CMS(Central Monitor Station) is used for event upload through PSTN network, including alarm, arm & disarm, system trouble and service event log, etc., of which the phone number can be edited or deleted.

To set CMS phone

1. Select "Comm. Account" ending with" # ".Press " ⑥/⑨ " to select CMS 1 or CMS 2 ending with" # ".
2. Then press " ⑥/⑨ " to select "Phone Number" to enter with " # ".
3. If any phone number is set already, it will display on the LCD. Press "#" to input with the icon flash. If no phone number is set before, input directly.
4. The phone number is 16 digits utmost ending with "#". Press " * " to delete former digit or edit it. Press " # " to confirm. If press "#" directly, the former phone number will be deleted.

To register by code input

1. If the code is input before, it will remind if users want to re-register, press "#" to continue, or " * " to exit.
2. Input the ID, ending with " # ".
3. The LCD will remind if need change the name. Press " # " to confirm. Or " * " to quit.
4. Press " * " to quit.

Zone Naming

Details refer to the page 20 "User Account Naming"

Clear WL

This enables users to remove the wireless devices by clearance. For the supervision function, If the device is removed without clearance, the system will remind trouble for device loss.

To Clear WL

1. Select " Clear WL.", press " # ", select " Clear single " or " Clear All ".
2. If "Clear single", select the zone number ending with "#". While "Clear all" means to clear all enrolled wireless transmitters.

Set Zone Type

For specific zone type definition, please refer to page 16.

To set zone type

1. Select "Set zone type", press " # ".
2. Press the navigation key to select the zone users desire to set ending with " # ", and then select the zone type for it ending with " # " to save it.
3. Press " * " to exit.

Zone Siren Set

It enables the user to active or mute external siren for some zone." ON " enables the siren to buzzer during alarm, while " OFF " enables the siren dummy. This function is available for Zones No. 1-16,31-46(wireless zones), 21-22(wired zones), No.17 and 19.

Chime Zone Set

It is only available for entry/exit zones to enable the "Chime zone Function". During disarm, trigger the zone, the voice of " Ding Dong! " will be given off.

Wireless Zone Supervision

Wireless devices will transmit supervision signal to the control panel at intervals. If the system does not receive any signal, then the transmitter is regarded as loss. The max loss period is called supervision

3: Using System -More Details

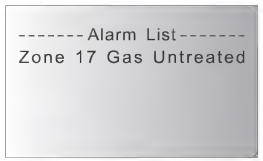
Display Interface

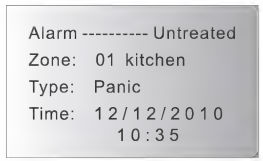
Users may meet following symbols or marks:

■	Selected for Multiple-choice
□	Unselected for Multiple-choice
●	Selected for Single choice
○	Unselected for Single choice
... ...	Counting down
>>>	Confirm to enter for details
System Trb.	System trouble
Alarm List	Display of alarm events
Trb. List	Display of trouble
Untreated	It means not disarmed after alarm.
Treated	It means disarmed after alarm.

Alarm Display

The alarm will display with voice guide in the Alarm List. Press " ⑧/⑨ " to select with " # " to query the event. Press " * " to quit.





Alarm Type and Way

There are two alarm type: instant alarm and delay alarm.

Trigger 24-hour zones, instant alarm will occur.

24-hour zones include: fire zone, gas zone, panic zone, duress zone, and tamper zone.

⚠ Note : For 24-hour zone, whether it is armed or disarmed, once triggered, it will alarm immediately.

Alarm delay occurs with voice indication as "Alarm, please disarm!" when the entry delay zone is triggered. Before the music ends, please disarm, and the alarm message will not be sent to CMS center. Or if users disarm after the music, the message will be sent. Entry delay happens for entry/exit zone and active zone only.

⚠ Note

1. For entry/exit zone, only during arm away and arm stay, the zone will be triggered with alarm delay.
2. For active zone, only during arm away, the zone will be triggered with alarm delay.
3. When alarm already happens in other zone, and with this zone triggered again, the panel will alarm immediately with no indication of entry delay.

Table 1: Different alarm type and zone type determines different alarm way

Alarm type	Send to CMS	Dial phone	Send SMS	LED	Siren
Fire zone	Yes	Yes	Yes	ON	Ring(cut-off adjustable)
Gas zone	Yes	Yes	Yes	ON	Ring(cut-off adjustable)
Panic zone	Yes	Yes	Yes	ON	Ring(cut-off adjustable)
Perimeter zone	Yes	Yes	Yes	ON	Ring(cut-off adjustable)
Active zone	Yes	Yes	Yes	ON	Ring(cut-off adjustable)
Entry/Exit zone	Yes	Yes	Yes	ON	Ring(cut-off adjustable)
Duress zone	Yes	Yes	Yes	/	Not ring
Tamper zone	Yes	Yes	Yes	ON	Ring(cut-off adjustable)
Line loss	No	No	Yes	/	Not ring
AC loss	Yes	No	Yes	/	Not ring
Low battery	Yes	No	Yes	/	Not ring
WL. loss	Yes	No	Yes	/	Not ring
Low battery for WL.	Yes	No	Yes	/	Not ring

⚠ Note: Signal strength: 0-31,31means the strongest. To make sure the normal communication, please confirm it is over 12.

Audio / Volume

It enables users to activate or mute the speaker and meanwhile adjust the volume.

Send TEST SMS Interval

The control panel could be set to send a message at the needed time of each week for testing. This testing message will be sent to all the numbers set before.

Version

It enables users to query the version of the control panel.

8. Programming

"Programming" option is only available with installer code.

Programming / Devices

For the system to recognize individual devices, each device must be registered. For example, if the device is a wireless transmitter, registration enables the system to identify the source of a received transmission. Each device has an individual encrypted ID code. Registering the device to the system familiarizes the system with this code.

WL. Register

There are two ways of register: by code learn or input.

To register by code learn

1. Select the zone number ending with " # ". If registered before, it will remind users to re-register. Press " # " to continue, or " * " to quit. If not registered before, the voice will remind "Start enrolling, transmit now!" with counting down for 60s.
2. Trigger the wireless asap to avoid any interference.
3. The system will remind to save after receiving the signal. Press " # " to save, or " * " to re-register.

⚠ Note: During register, if the signal is received for registered code, it will indicate as registered. If the code is in wrong format, it will indicate as wrong. If no code is received within 60s, the system indicate "Enrolling failed!"

Walk Test

It enables users to make sure if the detectors work normally, which is strongly recommended to do periodically.

To set walk test

1. Select " Walk test ", press " # ", All registered detectors will display on LCD with the voice guide as "Walk test starts, transmit wireless signal!"
2. Once the correspondent signal is transmit, the detector display will disappear on LCD. If it will not disappear, it indicates trouble occurs.
3. When all detectors disappear out of LCD, the voice will guide "Walk test over!" meanwhile with "No device!" indicating on LCD.
4. Press " * " to quit when test is finished.

Transmitter

It includes TX list (all registered TX and status report), and TX test under this menu. TX test is to test and identify wireless signal. With signal received from registered transmitter, it will display info of it, including ID. With signal received from unregistered transmitter, it will indicate as unknown signal.

To query TX list

1. Select " Transmitter ", press " # ", select " Transmitter list ", press " # ".
2. Then the TX list will display. Or if with no device, it will display correspondently.

To Test TX

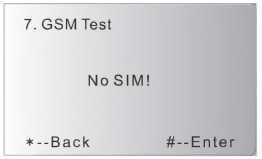
1. Select " Transmitter test ", press " # ", The voice will guide " Transmitter test starts, transmit wireless signal!"
2. Trigger the transmitter, if it is registered, the info will display on LCD. If it isn't registered, it will indicate as unknown signal.
3. Press " * " to quit after test finish.

GSM Test

To ensure the validity of GSM communication, please test the signal network at the installing position.

To test GSM signal

From the menu, select " Service "→ " # " → " GSM test " → " # ".



Keypad Lock and Unlock

If the code is input wrong, the voice will guide " Wrong password, please re-input! "

And if the code is input wrong for 5 times, the voice will indicate " Access locked, please try later! "。
After the code is locked, and operate any step which requires code, the voice will guide " Access locked, please try later! "

If the code is locked when there is no alarm, but alarm occurs after the code lock, the system will auto release the code lock. While if the code is locked after alarm, auto release must be available after system re-initialization, or within 30 minutes.

Codes Access

There are 5 types of codes: master code, installer code, duress code, temporary code, and user code (4). Different authorizations are appointed for different codes.

Code Type	Arm&disarm	Enter Menu	Code Set	"Programming" in menu	Editable	Clearable
Master Code	√	√	√①		√	
Installer Code		√	√②	√	√	
Duress Code	√				√	
Temp Code	√				√	√
User code 1	√				√	√
User code 2	√				√	√
User code 3	√				√	√
User code 4	√				√	√

Remark: ① Enter by master code, users can set all codes except installer code.
② Enter by installer code, users can only set installer code.

Code Restore

If users forget code, it need power off the panel, open the panel, turn jumper (See figure 12 ❶) to "default" mode, restart the panel to restore code to factory default setting. Then users should turn jumper to another side, or the panel will restore code when restarting panel next time.

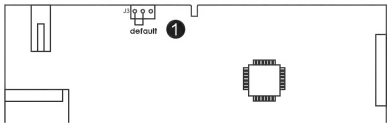


Figure -12-

Zone Description

- There are 8 types of zones: entry/exit zone, active zone, perimeter zone, panic zone, fire zone, gas zone, tamper zone and duress zone.
- There are 38 zones: zone 01-16/31~46 is wireless. Zone 17 is panic. Zone 18 is duress. Zone 19 is fire. Zone 21-22 is wired. Zone 30 is tamper. Different zone type alarms in different ways. Tamper alarm is valid with 24 hours for wireless zone 1-16/31~46. with tamper alarm indication.

Table 2: Zone Type

Zone Type	Valid or not when disarm	Valid or not when away	Valid or not when stay	Exit Delay	Entry Delay	Sound and flash	Mount position or detector	Type number
Entry/Exit	Invalid	Valid	Valid	Yes	Yes	Yes	Gate	01
Active	Invalid	Valid	Invalid	Yes	Yes	Yes	Indoor	02
Perimeter	Invalid	Valid	Valid	No	No	Yes	Veranda window	03
Panic	Valid	Valid	Valid	No	No	Yes	Panic button	04
Fire	Valid	Valid	Valid	No	No	Yes	Fire detector	05
Gas	Valid	Valid	Valid	No	No	Yes	Gas detector	06
Tamper	Valid	Valid	Valid	No	No	Yes	Tamper switch	07
Duress	Valid	Valid	Valid	No	No	No	Emergency button	08

Table 3: Zone Number

Zone Number	Bypass or not	Type	Remark
1~16/31~46	Applicable	Applicable	wireless
17	Applicable	N/A	panic
18	N/A	N/A	duress
19	N/A	N/A	fire
21~22	Applicable	Applicable	wired
30	Applicable	N/A	panel tamper

Chime Zone

It enables the panel with alarm with entry delay during arm, or issue " Ding Dong!"under disarm.

⚠ Note : The chime zone function only works for entry/exit zone.

7. Service

Set Time/Date

Time and date must be set, or else the event log will be recorded with no time, arm or disarm may not be realized, or system trouble will happen, voice guide will not work.

To set time and date:

1. Input time and date, ending with " # ".
2. During input, press " * " to quit. When finished, press "#" to confirm. Or if the time is not input completely, but with " # " ending. It will indicate "Invalid set!" Then pres " * " to re-input.

Auto Arm/Disarm Time

It enables users to set auto arm/disarm time which is set in 24-hr system. Before this, the function of auto arm/disarm must be turned on.

To set auto arm/disarm time

1. Select " Arm time " or " Disarm Time ", press " # " to enter, input time, and press "#" to save.

To turn on/off the function of auto arm/disarm:

1. Select " Auto ON/OFF ", press " # ".
2. Press " ⑧/⑨ " to select "ON" or " OFF ", ending with " # ".
3. Press " * " to quit when finished.

⚠ Note: Time and date must be set, or else the auto arm or disarm function will be recorded with no time. With no time set, auto arm/diarm function may be not available.

Call Back When Arm/Disarm

With this function, the siren will beep when users arm or disarm to remind operation success.

1. Press " ⑧/⑨ " to select " ON " or " OFF ", press " # " .
2. Press " * " to quit when finished.

⚠ Note: Using keyfob to operate the control panel. When arm-away, the built-in siren and wired siren will ring 3 times; when arm-stay, 2 times; when disarm, one sound.

Siren Test

Siren test is strongly recommended periodic for safety, which includes wired siren, wireless siren and built-in siren. Select the type of siren ending with " # " to test. After test, press " # " to continue another test. Or " * " to finish.

Note: When users disarm the system with the duress code, the panel doesn't call the first and second telephone number. And the panel just call the third and fourth telephone number. So we suggest that don't set the third and the fourth telephone number with personal phone number.

Voice Phone Interface Set

It enables users to select PSTN or GSM as dialling way.

To set voice phone interface:

1. Select the telephone group number, press " # " to enter.

2. Press " ⑧/⑨ " to select the communication interface (PSTN or GSM) ending with " # ".

3. Press " * " to quit.

When the telephone line loses, it will transfer into GSM dialling automatically.

SMS Phone

Same as voice phone set.

SMS Option

users can select if SMS message will be sent or not for alarm, arm or disarm to save SMS cost.

To set SMS option:

1. Select the phone group number, press " # "to enter.

2. Select parameters users desire to set ending with " # ".

3. Select " ON " or " OFF ".

6. Event Log

This system can save 255 event logs, including alarm and operation issues. When it exceeds 255, it will substitute the earliest event.

To query event

1. From the menu, select " Event log ", press " # " to enter. The earliest event will display.

2. Press " ⑧/⑨ " to query.

3. Press " * " to quit when finished.

4: Menu System in Detail

Default installer code: 1234
Default master code: 0808

Enter Programming

To configure the system, or make any changes to the pre-set functions.

During disarm, press " ⁂ " on keypad, Input master code or installer code to enter main menu. Press the "⑧⑨ " to select what users desire to set and confirm with " # ". or Press " * " to exit.

Note: "Programming" option is only available with installer code.

Quit Programming

Press " * " to quit programming to previous menu. Or it will return to previous automatically with no operation within 1 minute.

Programming Items

Available with installer code
Available with master code

1. Cancel Alarm

With misoperation or unexpected alarm occurs, users can " Cancel Alarm " in the menu. Thus the panel will issue an event cancel to CMS.

2. Stop. Comm.

Through this operation, all communication buffers are cleared and all pending messages are canceled.

3. Code Set

Code is available as 4-6 digits. If the code is set 5 or 6 digits, the last one cannot be 0. The code must be different.

Master Code

The Master code is the highest user authorization level. It enables users to enter main menu, which can be edited. With the Master code, users can edit all other user codes except the installer code.

To set master code

1. From the menu, select " Code set " , press " # ", select " Master code ", press " # ".

2. Press " # " to edit, Input the new master code ending with " # ".

3. The LCD will remind if it is edited or not. Press " # " to confirm. Or " * " to quit.

⚠ Note : The default master code is 0808, which is strongly recommended to change after installation.

User Account Naming

Each Code has a user account which can be named within 10 letters. Names can be given either when first adding a code or by editing them later.

When the “Enter New Name” screen is displayed the numeric keyboard can be used to enter text. Simply find the corresponding numeric key with the required character and press repeatedly until the wanted character appears .Release the key and the cursor automatically jumps to the next position for users to continue with the next character by the same method.

The keys have the following functions:

1 # / .	2 abc	3 def
4 ghi	5 jkl	6 mno
7 pqrs	8 tuv	9 wxyz
* Back	0 <space>	# Enter

⚠ Note: Once the name is added, it can be edited but not deleted. If really needed, please delete by initialization.

Installer Code

The Installer code grants access to the “ Programming ” menu.

To set installer code: Same as Master code set.

⚠ Note: The default installer code is 1234, which is strongly recommended to edit after installation.

Temp. Code

The temp. code is just for temporary use which is only valid for 24 hours. It will auto clear and must be reset for next time. Or after initialization or re-power on, it will be cleared.

To edit/delete Temp. code

1. From the menu, select “Code set”, press “#”, select “Temp. code”, press “#”.
2. If any temp. code is set before, it will display with “ * ”, press “#” to edit; If not, the icon flashes on LCD.
3. Input the new code, Press “#” to confirm. With no code input, press “#” to delete it.
4. The LCD will remind if it is edited or not. Press any key to exit.
5. The LCD will remind if need change the name. Press “#” to confirm. Or “ * ” to quit.

Duress Code

While users disarm with duress code, it will indicate “Disarm” on site but will send alarm info.

To set duress code: Same as Master code set.

⚠ Note: The default duress code is 0809, which is strongly recommended to edit after installation.

User Code 1~4

The user code enables users to arm or disarm.

To set/delete user code: Same as “Temp. Code Set”.

4. Zone Bypass

When a zone is bypassed, it is ignored by the system and does not generate an alarm when triggered. It enables users bypass one zone or more zones, or all zones.

To bypass one by one

1. Select “ Bypass one by one ”, press “ # ”.
2. Press “ ⑧/⑨ ” to select the zone number, ending with “ # ”.
3. And then select “ ON ” or “ OFF ”, ending with “ # ”.
4. Press “ * ” to quit.

To bypass all

1. Select “ Bypass All ”, press “ # ”.
2. It will remind “ Bypass All ”, press “ # ” to confirm, or press “ * ” to give up.

5. Phone Set

Phone can be personal phone for voice or for SMS. The system will dial the phone or send SMS when alarm occurs.

Voice phone set

It enables users to edit or delete the number users set before.

To set voice phone

1. Select one telephone group number, press “ #” to set.
2. If any phone is set before, it will display. Press “ # ” to edit. If no phone is set before, input directly.
3. The phone number can be 16 digits utmost. Press “ # ” to finish. Or if no figure is input, and “ # ” is pressed directly, the number will be deleted.